105.1 - Clinical Laboratory Materials (gas, liquid, and solid forms)

The following SRMs are for calibrating apparatus and validating analytical methods used in clinical and pathology laboratories. Additional information on the serum materials is given in table 105.2.

For further information see: SP 260-36, SP 260-72 and SP 260-83

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

Purity/Constituent (mass fraction in %)

SRM	Description	Unit Size	
900	Antiepilepsy Drug (4) Level	set (4)	
909c	Human Serum	3 bottles x 2 mL each	Cholesterol, Glucose, Creatinine, Total Gylcerides, Urea, Uric Acid, Protein
911c	Cholesterol	2 g	99.2
912a	Urea-Clinical	25 g	99.9
913a	Uric Acid	10 g	99.6
914a	Creatinine	10 g	99.7
915b	Calcium Carbonate (Clinical Standard)	20 g	^W CaCo ₃ 99.907 ^W Ca 40.0104 ^W CO ₃ 59.923
916a	Bilirubin	100 mg	98.3
917c	D-Glucose (Dextrose)	50 g	99.7
918b	Potassium Chloride (Clinical)	30 g	^W KCI 99.927 ^W K 52.4121 ^W CI 47.5284
919b	Sodium Chloride (Clinical)	30 g	^w NaCl 99.835 ^w Cl⁻ 60.564 ^w Na⁺ 39.2747
920	D-Mannitol	50 g	99.8
921	Cortisol (Hydrocortisone)	1 g	98.9
*924a	Lithium Carbonate (Clinical)	30 g	99.867
925	VMA (Clinical)	1 g	99.4
927d	Bovine Serum Albumin (7%, solution)	set (10)	BSA Conc. 65.41 mg/L
928	Lead Nitrate (Clinical)	30 g	100.00
929a	Magnesium Gluconate	5 g	Mg Conc. 5.362
937	Iron Metal (Clinical)	50 g	99.90
955c	Toxic Metals in Caprine Blood	4 vials	4 Levels: Pb, As, Cd, Hg 1 Level: ethyl-, methyl-, and inorganic Hg species

Purity/Constituent (mass fraction in %)

SRM	Description	Unit of Issue	
956c	Electrolytes in Frozen Human Serum	6 x 2.0 mL	3 Levels: Ca, Cl, Li, Mg, K, Na 3 Levels: ionized calcium
965b	Glucose in Frozen Human Serum	set (8) (2 each conc)	4 Levels: glucose
967a	Creatinine in Frozen Human Serum	set(4) (2 each conc)	2 Levels: creatinine

^{*} Conforms to National Committee for Clinical Laboratory Standards (NCCLS) specification ACC-1.

Certified values are normal font.

Reference values are italicized.

Values in parentheses are for information only.

105.1 - Clinical Laboratory Materials (gas, liquid, and solid forms)

The following SRMs are for calibrating apparatus and validating analytical methods used in clinical and pathology laboratories. Additional information on the serum materials is given in table 105.2.

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968e	Fat-Sol Vitamins, Carotenoids, and Cholesterol in Human Serum	set (3) (1 each conc.)	3 Levels: vitamins, carotenoids, and cholesterol
970	Ascorbic Acid in Frozen Human Serum	set (4) (2 each conc)	2 Levels: Total Ascorbic Acid
971	Hormones in Frozen Human Serum	2 x 5 mL	cortisol, testosterone, progesterone
972	Vitamin D in Human Serum	set (4) (1 each level)	4 Levels: 25-hydroxyvitamin D ₂ , 25-hydroxyvitamin D ₃ , 3-epi-25-hydroxyvitamin D ₃ ,
998	Angiotensin I (Human)	0.5 mg	94.1
1400	Bone Ash	50 g	8 elements
1486	Bone Meal	50 g	8 elements
1595	Tripalmitin	2 g	99.5
1598a	Inorganic Constituents in Animal Serum	2 vials	12 elements 5 elements
1599	2 Anticonvulsant Drugs	set (4)	3 Levels: Valproic Acid, carbamazepine
1950	Metabolites in Human Plasma	5 vials @ 1.0 mL each	Cholesterol, Creatinine, Urea, Uric Acid, Homocysteine, Glucose, Total Gylcerides, 3 Hormones, 8 Fatty Acids, 12 Amino Acids, 9 Vitamins, 4 Elements, 2 carotenoids, Bilirubin, Selenium Species, Total protein, 6 PFCs, 19 Fatty Acids, 6 Amino Acids, 6 Vitamins, 3 Elements, 2 carotenoids,
1951b	Lipids in Frozen Human Serum	set (4) (2 each conc)	2 Levels: Total Cholesterol, Triglycerides only, 1 Level: Total Glycerides
1952a	Cholesterol in Human Serum	set (6) (2 each conc)	3 Levels: cholesterol
1955	Homocysteine and Folate in Frozen Human Serum	set (3) (1 each conc)	3 Levels: Homocysteine, 5-Methyltetrahydrofic Acid, <i>Folic Acid</i>
2366	Cytomegalovirus (CMV) for DNA Measurements	3 vials	3 Levels: cytomegalovirus (copies per micro liter)
2389a	Amino Acids in 0.1 mol/L Hydrochloric Acid	5 x 1.2 mL	17 Amino Acids
2670a	Toxic Elements in Urine (Freeze-Dried)	set (4) (2 each conc)	2 Levels: 14 Elements 10 Elements
			Purity/Constituent (mass fraction in %)
SRM	Description	Unit of Issue	

5x115 uL

Certified values are normal font. Reference values are italicized.

2921

Values in parentheses are for information only.

Human Cardiac Troponin Complex

Cardiac Troponin cTnI, cTnT, cTnC

^{*} Conforms to National Committee for Clinical Laboratory Standards (NCCLS) specification ACC-1.

105.1 - Clinical Laboratory Materials (gas, liquid, and solid forms)

The following SRMs are for calibrating apparatus and validating analytical methods used in clinical and pathology laboratories. Additional information on the serum materials is given in table 105.2.

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PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

2972	25-Hydroxyvitamin D2 and D3 Calibration Solutions	10 ampoules x 1.2 mL each	25-hydroxvitamin D ₂ 25-hydroxyvitamin D ₃
3950	Vitamin B6 in Frozen Human Serum	2 vials, 1 level each	2 Levels: Vitamin B ₆
8323	Yeast Protein Extract	3 vials x 0.2 mL	0.191 mg/mL
8327	Peptide Reference Material for Molecular Mass and Purity Measurements	set 3 (1 mg each)	Molecular Mass, Purity of Peptides, Amino Acid Sequence, for 3 synthetic peptides
8642	FDA Saxitoxin Dihydrochloride Solution	10 x 1.2 mL	0.0103

^{*} Conforms to National Committee for Clinical Laboratory Standards (NCCLS) specifications ACC-1

Certified values are normal font. Reference values are italicized.

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